

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number  
WO 2004/114239 A2

(51) International Patent Classification<sup>7</sup>: G08B  
(21) International Application Number: PCT/US2004/018397  
(22) International Filing Date: 10 June 2004 (10.06.2004)  
(25) Filing Language: English  
(26) Publication Language: English  
(30) Priority Data: 60/478,245 13 June 2003 (13.06.2003) US  
(71) Applicant (for all designated States except US): WILD-SEED LTD. [US/US]; 10210 NE Points Drive, Suite 300, Kirkland, WA 98033 (US).  
(72) Inventors; and  
(75) Inventors/Applicants (for US only): ZATLOUKAL, Peter [US/US]; 218 Main Street #480, Kirkland, WA 98033 (US). ENGSTROM, Eric, G. [US/US]; 12415 Holmes Pt. Dr. NE, Kirkland, WA 98033 (US). SMITH, Cindy, M. [CA/US]; 218 Main Street #673, Kirkland, WA 98033 (US).  
(74) Agents: AUYEUNG, Aloysius et al.; Schwabe, Williamson & Wyatt, P.C., Pacwest Center, Stes. 1600-1900, 1211 SW Fifth Avenue, Portland, OR 97204-3795 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.  
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

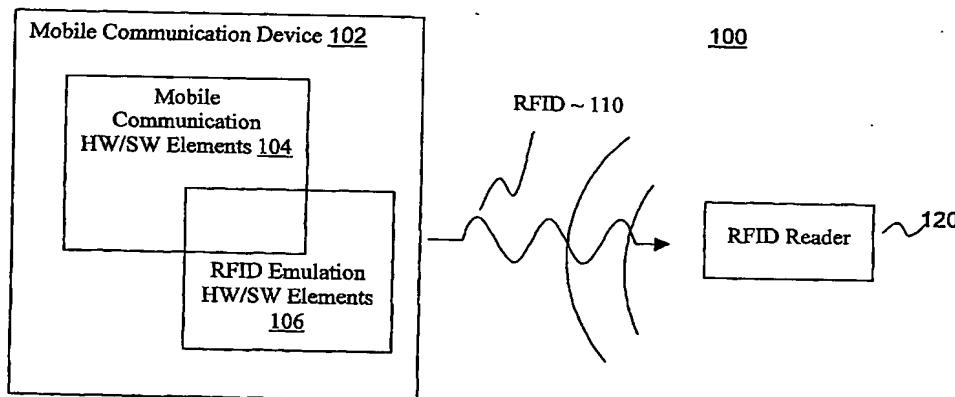
— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: EMULATED RADIO FREQUENCY IDENTIFICATION



(57) Abstract: A mobile communication device is equipped with hardware and/or software components to enable the device to output a data in a form of a radio frequency signal, emulating outputting of the data by either an active or a passive RFID transponder. The data may be a security key or an identifier. Emulation of an active RFID transponder includes facilitating selection of the data and instruction to output by a user. Emulation of a passive RFID transponder includes detecting for proximal presence of a RFID reader. Either case, provision of the data to the mobile communication device may include provision of associated signal attribute(s).



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*